R & D CATALOG FORM		DATE 8 January 1965

1. PROJECT TITLE/CODE NAME

Analysis of the P.I. Function Study

2. SHORT PROJECT DESCRIPTION

This project is designed to acquire objective measurements of photo-interpreter performance as they are related to image variables and to interpretation procedures.

3. CONTRACTOR NAME

N/A

4. LOCATION OF CONTRACTOR

NA

5. CLASS OF CONTRACTOR

6. TYPE OF CONTRACT

NA

25X1

7. FUNDS	8. REQUISITION NO.	9. BUDGET PROJECT NO.
FY 1964	NA	NP-S-28
FY 19	**10. EFFECTIVE CONTRACT DATE** (*Begin - ond*) August 1965 - July 1967	**11. SECURITY CLASS.** A. A. - Conf. T. - Uncl. W. - Top Secret
FY 1966		

25X1

12. RESPONSIBLE DIRECTORATE/OFFICE/PROJECT OFFICER TELEPHONE EXTENSION

DDI/NPIC/P&DS/

13. REQUIREMENT/AUTHORITY

Exploitation of Reconnaissance Imagery.

14. TYPE WORK TO BE DONE

Applied research.

15. CATEGORIES OF EFFORT

MAJOR CATEGORY	SUB-CATEGORIES
Special Techniques and Studies	Operations research

16. ITEM OR SERVICES FROM THIS CONTRACT/IMPROVEMENT OVER CURRENT SYSTEM, EQUIPMENT, ETC.

Monthly and final reports.

17. SUPPORTING OR RELATED CONTRACTS (*Agency & Other*)/COORDINATION

NPIC is currently performing a project which has as its objective the correlation of P.I. performance as related to different ground resolution on photography. This data will be used in the proposed project. DOD has sponsored related projects in the past but with inconclusive results.   (Cont'd)

18. DESCRIPTION OF INTELLIGENCE REQUIREMENT AND DETAILED TECHNICAL DESCRIPTION OF PROJECT (*Continue on additional page if required*)

The photo interpreter is the key element in the reconnaissance exploitation system. Yet he remains the most unknown factor in that system. There are techniques for quantitatively evaluating the hardware and techniques of exploitation but human performance is difficult to account for objectively. In order to refine the total exploitation process, it is necessary to account for, predict, and enhance the photo interpreter's performance.

(Cont'd)

19. APPROVED BY AND DATE

OFFICE	DEPUTY DIRECTOR	DDCI

FORM 11-64 2338

SECRET

(1-12)

17.

All pertinent agencies are aware of our efforts in this project.

18.

The interpreter deals with many variables in his input data. It is the
interrelationship of the interpreter with these variables that must be
quantitatively evaluated. Among the image variables under consideration
are: contrast and brightness, granularity, sun altitude and azimuth,
obliquity, scene change detection, color, season, terrain, environment,

25X1

Also to be
studied are procedural variables such as viewing time, scale, the equipment
used, the collateral information available.